

Abstract

This invention pertains to technology of fabricating thin films featuring anisotropic properties such as: optical, magnetic, electric conductivity and others. In particular, this invention is related to devices for obtaining polarizing films from liquid-crystalline solutions of organic materials, for example organic dyes. The disclosed method and device permits the fabrication of anisotropic films from liquid-crystalline solution with high characteristics and high degree of perfection of the oriented structure with significant reproducibility of results. The device makes use of a mechanical element for receiving and guiding the liquid crystal solution onto a substrate and then providing an orienting action to the kinetic elements as they are delivered.